

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A method for resolving network connectivity, the method comprising:

determining whether a first device is included in a portion of a network in which the first device can receive information directed to all devices included within the portion of the network;

obtaining a first identifier associated with the portion of the network;

assigning a second identifier to the portion of the network based on a domain identifier unique to other portions of the network;

modifying the first identifier associated with the portion of the network to include the second identifier; and

associating the modified first identifier with the first device and the portion of the network.

2. (Original) The method of claim 1, comprising:

identifying a second device included in the portion of the network; and

associating the modified first identifier with the second device.

3. (Original) The method of claim 1, comprising:

presenting a first symbol identifying the first device, connected to a second symbol identifying the portion of the network using the modified first identifier.

4. (Original) The method of claim 1, wherein the portion of the network is a broadcast domain.

5. (Currently Amended) The method of claim 1, wherein the portion of the network is a Virtual Local Area Network (~~VLAN~~ VLAN).

6. (Original) The method of claim 5, wherein the first device is a network switch including a Management Information Base (MIB) configured to store an identifier of the VLAN.

7. (Original) The method of claim 6, wherein obtaining the first identifier associated with the portion of the network comprises:

using a Simple Network Management Protocol (SNMP) query to obtain the identifier of the VLAN from the MIB as the first identifier.

8. (Original) The method of claim 1, wherein the first device is a port included in a network switch.

9. (Original) The method of claim 1, wherein the first device is coupled to other portions of the network by a network router.

10. (Currently Amended) A system for resolving network connectivity, the system comprising:

a memory; and

a processor, including:

logic configured to determine, using data stored in the memory, whether a first device is included in a portion of a network in which the first device can receive information directed to all devices included within the portion of the network;

logic configured to obtain, from the memory, a first identifier associated with the portion of the network;

logic configured to assign a second identifier to the portion of the network based on a domain identifier unique to other portions of the network;

logic configured to modify the first identifier associated with the portion of the network to include the second identifier; and

logic configured to associate the modified first identifier with the first device and the portion of the network.

11. (Previously Presented) The system of claim 10, wherein the processor comprises:

logic configured to identify, using the data stored in the memory, a second device included in the portion of the network; and

logic configured to associate the modified first identifier with the second device.

12. (Original) The system of claim 10, comprising:

a display;

wherein the processor comprises logic configured to present on the display a first symbol identifying the first device, connected to a second symbol identifying the portion of the network using the modified first identifier.

13. (Original) The system of claim 10, wherein the portion of the network is a broadcast domain.

14. (Original) The system of claim 10, wherein the portion of the network is a Virtual Local Area Network (VLAN).

15. (Original) The system of claim 14, wherein the first device is a network switch including a Management Information Base (MIB) as a portion of the memory, the MIB being configured to store an identifier of the VLAN.

16. (Original) The system of claim 15, wherein obtaining the first identifier associated with the portion of the network comprises:

using a Simple Network Management Protocol (SNMP) query to obtain the identifier of the VLAN from the MIB as the first identifier.

17. (Previously Presented) The system of claim 15, wherein the data stored in the memory used in determining whether the first device is included in the portion of the network includes a first table having an entry associating an identifier of the network switch with the identifier of the VLAN.

18. (Original) The system of claim 15, wherein the memory includes a second table having an entry associating an identifier of the network switch with the second identifier.

19. (Original) The system of claim 10, wherein the first device is a port included in a network switch.

20. (Original) The system of claim 10, wherein the first device is coupled to other portions of the network by a network router.

21. (Currently Amended) A computer readable storage medium storing therein a computer program for resolving network connectivity, wherein the computer program comprises executable instructions for:

determining whether a first device is included in a portion of a network in which the first device can receive information directed to all devices included within the portion of the network;

obtaining a first identifier associated with the portion of the network;

assigning a second identifier to the portion of the network based on a domain identifier unique to other portions of the network;

modifying the first identifier associated with the portion of the network to include the second identifier; and

associating the modified first identifier with the first device and the portion of the network.

22. (Previously Presented) The computer readable storage medium of claim 21, wherein the computer program comprises executable instructions for:  
identifying a second device included in the portion of the network; and  
associating the modified first identifier with the second device.

23. (Previously Presented) The computer readable storage medium of claim 21, wherein the computer program comprises executable instructions for:  
presenting a first symbol identifying the first device, connected to a second symbol identifying the portion of the network using the modified first identifier.

24. (Previously Presented) The computer readable storage medium of claim 21, wherein the portion of the network is a Virtual Local Area Network (VLAN).

25. (Previously Presented) The computer readable storage medium of claim 24, wherein the first device is a network switch including a Management Information Base (MIB) configured to store an identifier of the VLAN.

26. (Previously Presented) The computer readable storage medium of claim 25, wherein in obtaining the first identifier associated with the portion of the network, the computer program comprises executable instructions for:  
using a Simple Network Management Protocol (SNMP) query to obtain the identifier of the VLAN from the MIB as the first identifier.

27. (Currently Amended) A system for resolving network connectivity, the system comprising:

means for determining a first identifier associated with a portion of a network in which a device can receive information directed to all devices included within the portion of the network;

means for determining a second identifier associated with the portion of the network based on a domain identifier unique to other portions of the network; and

means for associating the first and second identifiers with the device and the portion of the network,

wherein the means for associating comprises means for modifying the first identifier associated with the portion of the network to include the second identifier.

28. (Canceled)

29. (Previously Presented) The system of claim 27, comprising:

means for presenting an association between the device and the portion of the network based on the first and second identifiers.

30. (Previously Presented) The system of claim 27, wherein the device comprises:

means for storing the first identifier.